

In this project, I use vs2013 and openCV 2.49.

There are three code files: camera_calibration.cpp, reprojection.cpp, augmentedreality.cpp.

camera_calibration.cpp is an sample file from openCV 2.49 you can find in sources/samples/cpp/tutorial_code/calib3d/camera_calibration. To run this code, you need to contain "VID5.xml", "in VID5.xml" and CameraCalibration folder which contain 25 chessboard pictures. The output will store in "out_camera_data.xml".

reprojection.cpp is for question 2,3,4 and it need to contain "left.jpg" and "right.jpg".

augmentedreality.cpp is for question 7 it need to contain "chessboard.jpg" and "dota.png".